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## EPITOPE SEQUENCES Simard et al. mown Atty Docket: MANNK.032A

			<i>;</i>
<ul> <li>(1) [MOAEGRGTGGSTGDADGPGGPGTPDGPGGNAGGPGFAGATGGRGPRGAGA</li> <li>(1) [MOAEGRGTGGSTGDADGPGGPGTPDGPGGNAGGPGFAGATGGRGPRGAGA</li> <li>(1) [MOAEGRGTGGSTGDADGPGGPGTPDGPGGNAGGPGFAGATGGRGPRGAGA</li> <li>(1) [MOAEGRGTGGSTGDADGPGGPGPTPDGPGGNAGGPGFAGATGGRGPRGAGA</li> <li>(1) [MOAEGRGTGGSTGDADGPGGPGPTPDGPGGNAGGPGFAGATGGRGPRGAGA</li> <li>(1) [MOAEGRGTGGSTGDADGPGGPGTPDGPGGNAGGPGEAGATGGRGPRGAGA</li> <li>(1) [MOAEGRGTGGSTGDADGPGGPGTPDGPGGNAGGPGEAGATGGRGPRGAGA</li> <li>(1) [MOAEGRGTGGSTGDADGPGGPGTPDGPGGNAGGPGEAGATGGRGPRGAGA</li> </ul>	51 100	وموس ويبيع ويشع ويوبي ويبطع و	(51) ARASGENGGABRGERGGABNONGNGRGGGARNENSRIEGNNUMPENSPM (51) ARASGENGGAPRGERGGAASNONGNGRGGARNENSRIEGNRUMPERNEM (51) ARASGERGGAPRGPHGGAASAQDGRCPCGARRPDSRLLQLHITMPFSSPM
CTAG_HUMAN NY-ESO		CTAG_HUMAN NY-ESO AAD05202 - CAG-3 CAA11044 -LAGE-1a CAA10194 - LAGE-1s CAA11043 - LAGE-1b	CAA10196 - LAGE-1L AAH02833 CT-2 Consensus

## EPITOPE SEQUENCES Simard et al. known Atty Docket: MANNK.032A

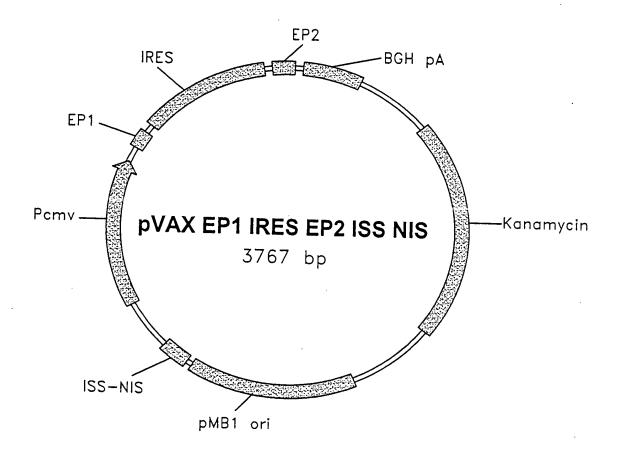
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## EPITOPE SEQUENCES Simard et al. known Atty Docket: MANNK.032A

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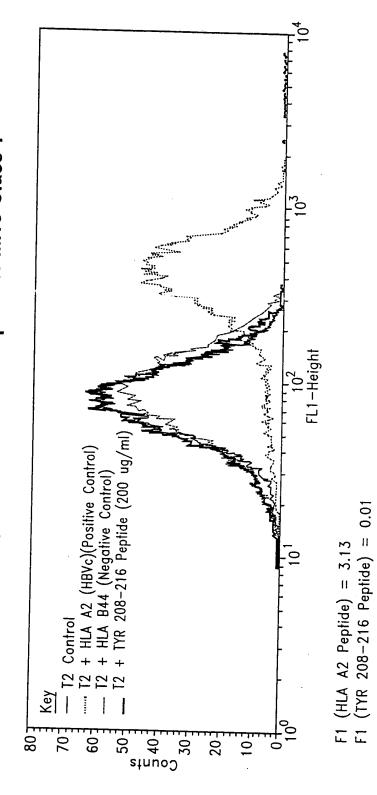
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(181) (201)(201)CTAG\_HUMAN NY-ESO AAD05202 - CAG-3 CAA11044 -LAGE-1a CAA10194 - LAGE-1s CAA11043 - LAGE-1b CAA10196 - LAGE-1L AAH02833 CT-2 Consensus

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Simard et al.
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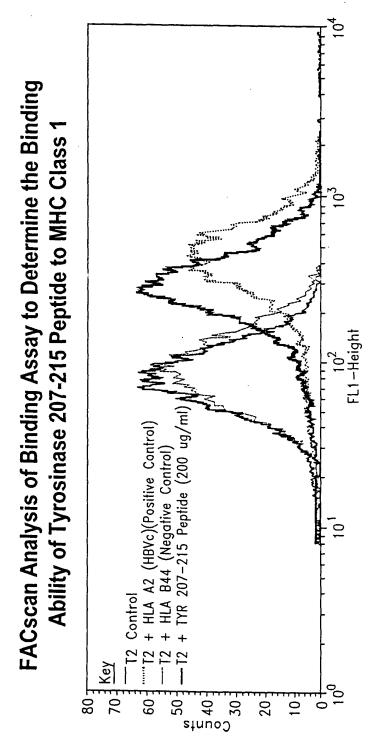


EPITOPE SEQUENCES Simard et al. Appl. No.: Unknown Atty Docket: MANNK.032A

FACscan Analysis of Binding Assay to Determine the Binding Ability of Tyrosinase 208-216 Peptide to MHC Class 1

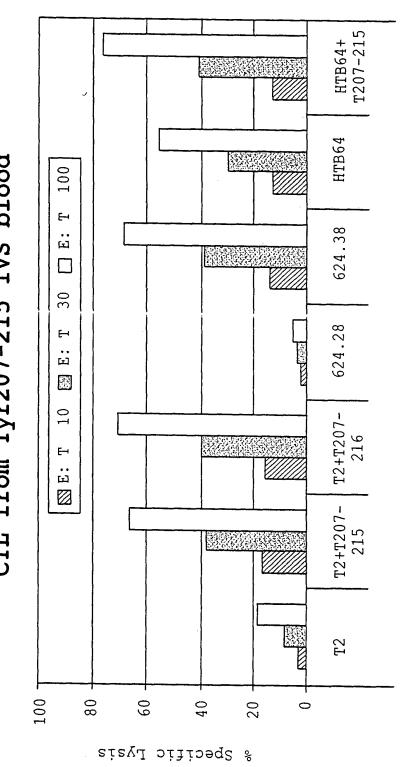


EPITOPE SEQUENCES Simard et al. Appl. No.: Unknown Atty Docket: MANNK.032A



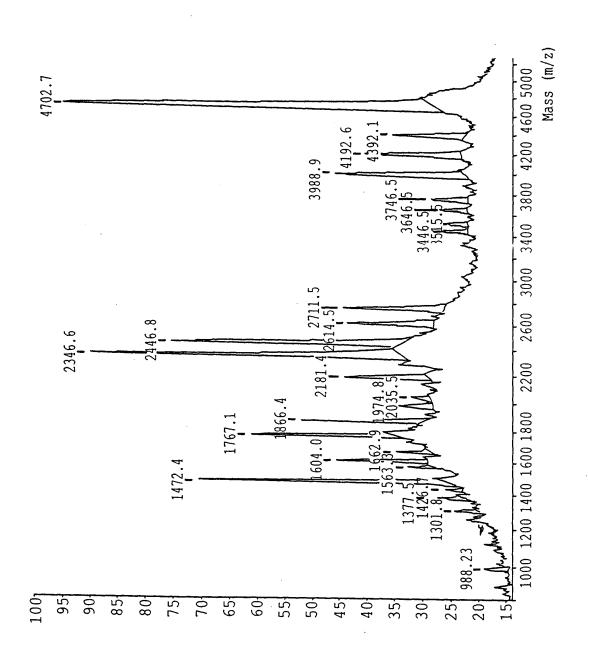
F1 (HLA A2 Peptide) = 3.13F1 (TYR 207-215 Peptide) = 2.00

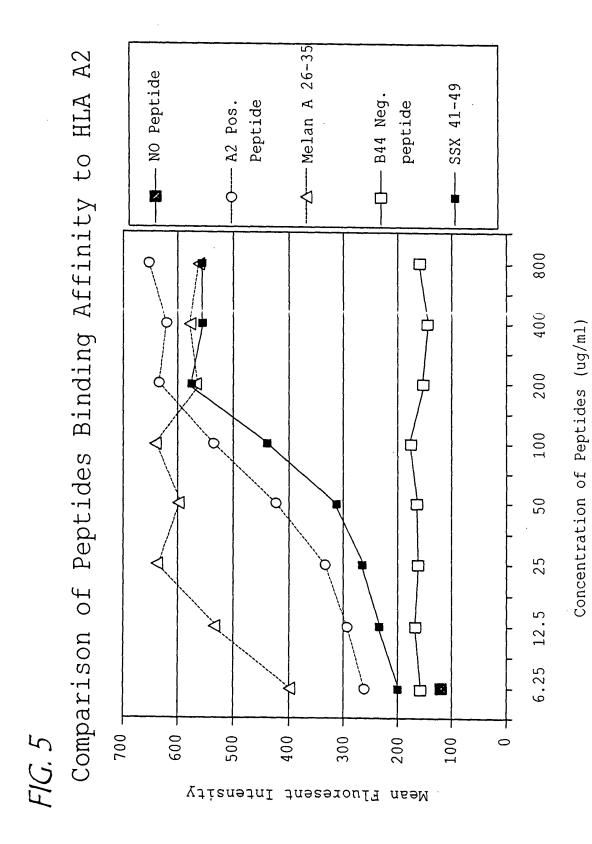
HLA A2 restricted and tyrosinase specific lysis by CTL from Tyr207-215 IVS blood



CTL from Tyr 207-215 IVS blood

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Simard et al.

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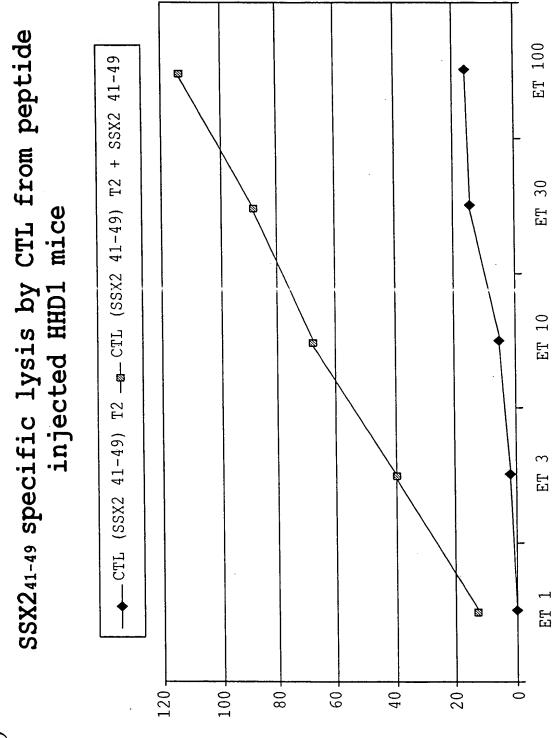
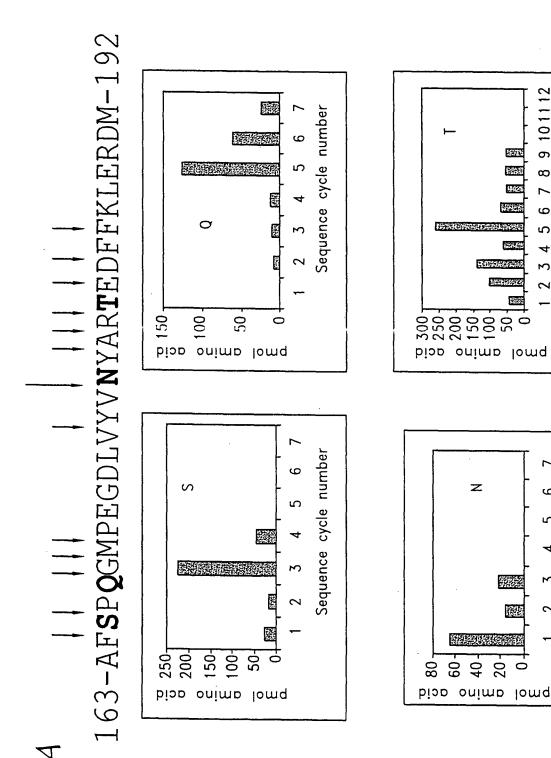


FIG. 6

% Specific Lysis

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60 min by profeasome Pool sequencing of PSMA\_163-192 Digested for

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number

cycle

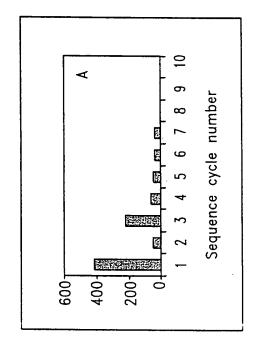
Sequence

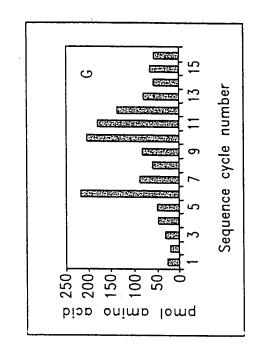
Sequence cycle number

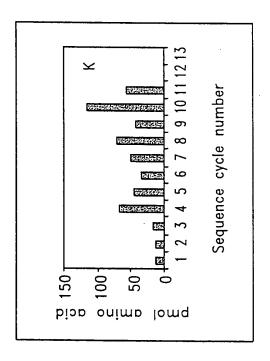
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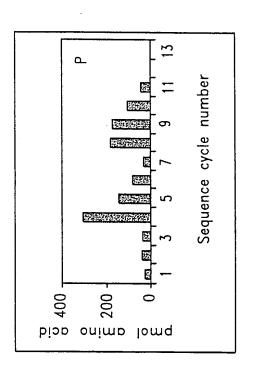
EPITOPE SEQUENCES
Simard et al.

Atty Docket: MANNK.032A







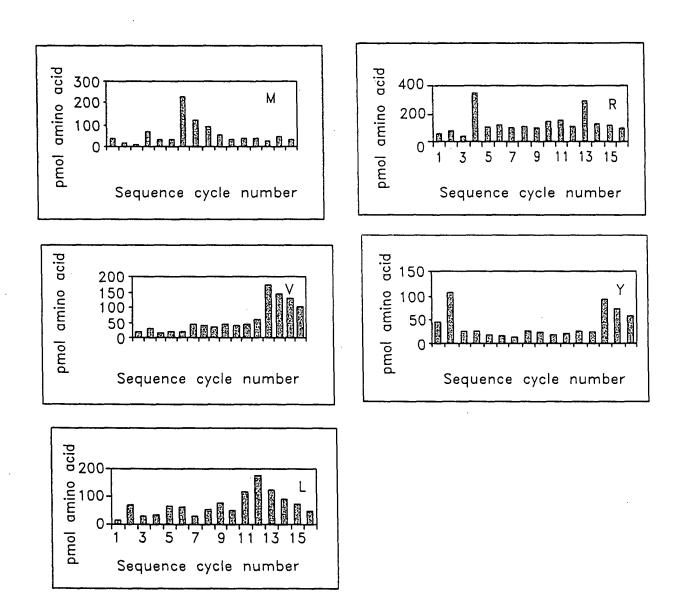


Pool sequencing of PSMA\_163-192 Digested for 60 min by proteasome

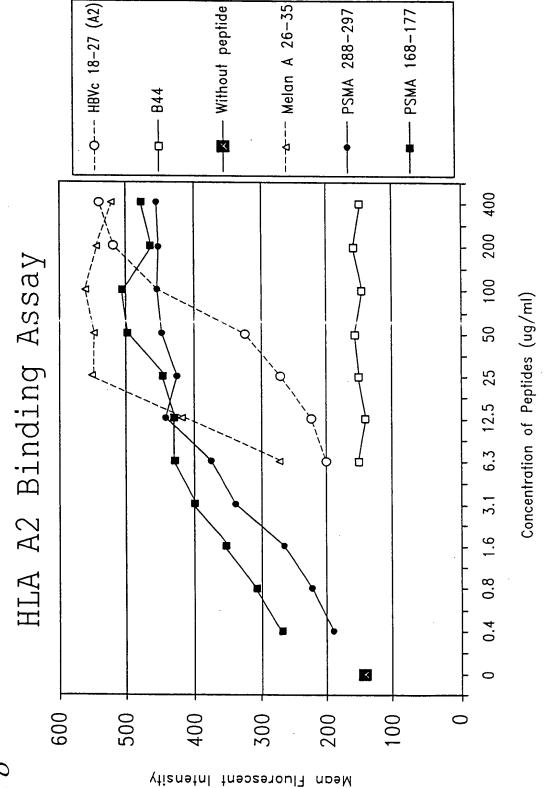
#### EPITOPE SEQUENCES Simard et al.

Appl. No.: Unknown

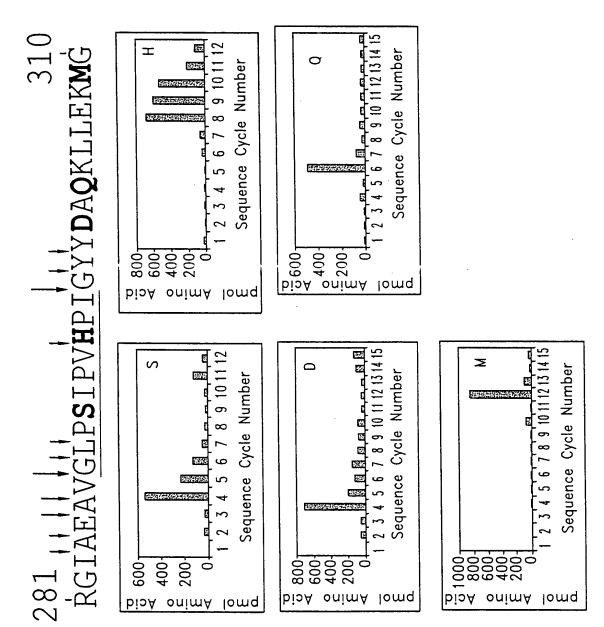
Atty Docket: MANNK.032A



Pool sequencing of PSMA\_163-192 Digested for 60 min by proteasome



Appl. No.: Unknown Atty Docket: MANNK.032A

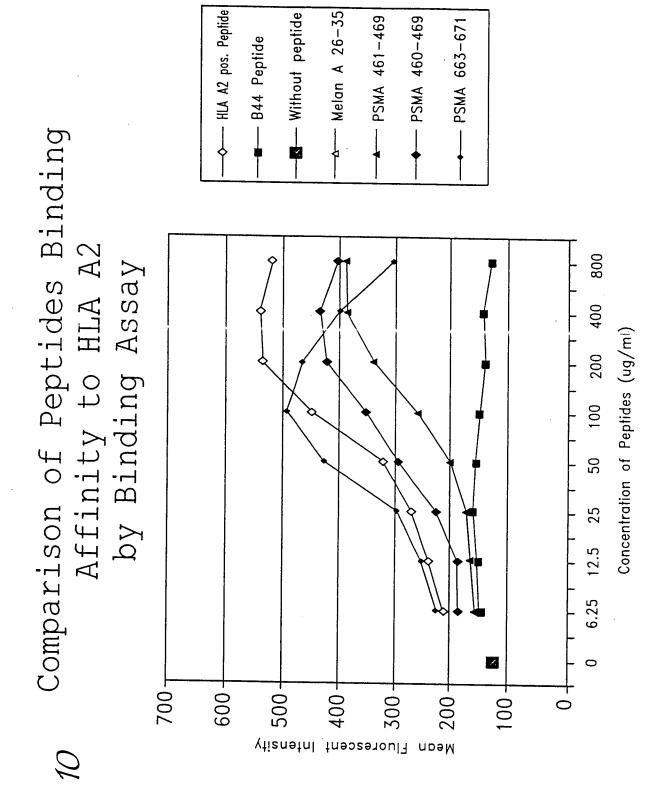


Pool sequencing of PSMA\_281\_310 Digested for 60 min by Proteasome

EPITOPE SEQUENCES

Simard et al.

Appl. No.: Unknown Atty Docket: MANNK.032A

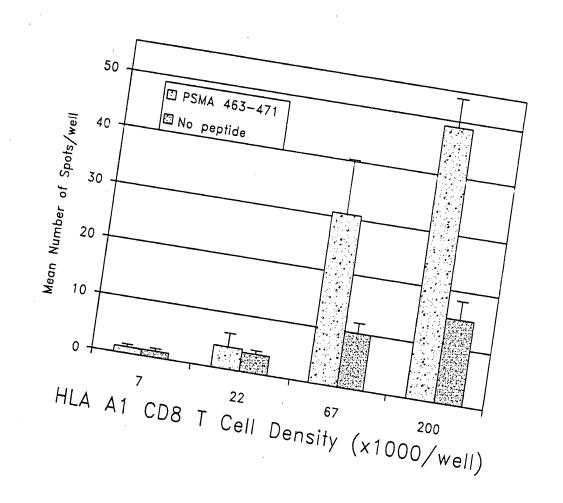


EPITOPE SEQUENCES

Simard et al.

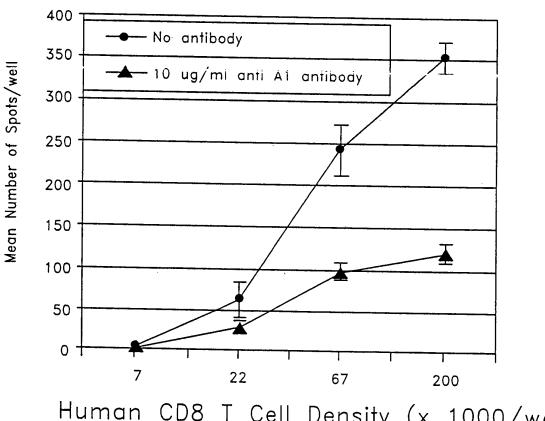
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# Autologous DC Present A1 Peptide to CD8 T cell



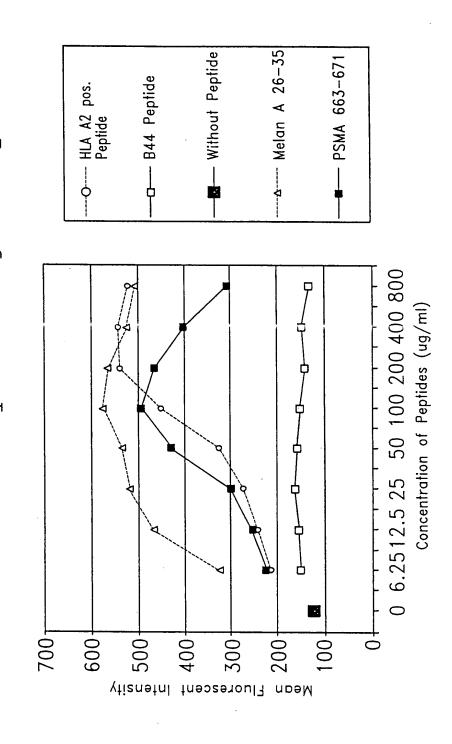
**EPITOPE SEQUENCES** Simard et al. Appl. No.: Unknown Atty Docket: MANNK.032A

### Secretion of IFNgama Was Blocked by Anti-A1 Antibody

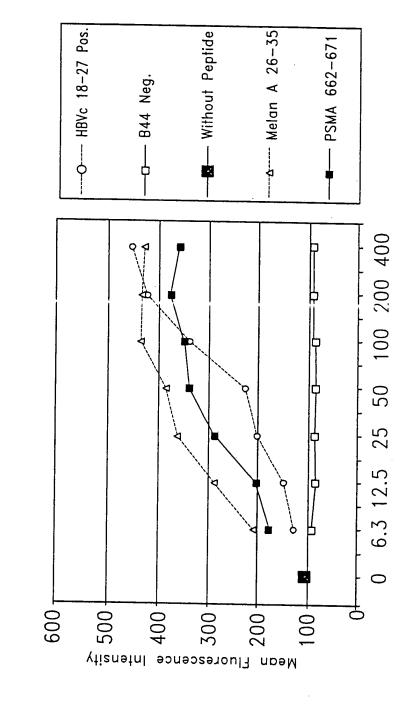


Human CD8 T Cell Density (x 1000/well)

Comparison of Peptides Binding Affinity to HLA A2 by Binding Assay



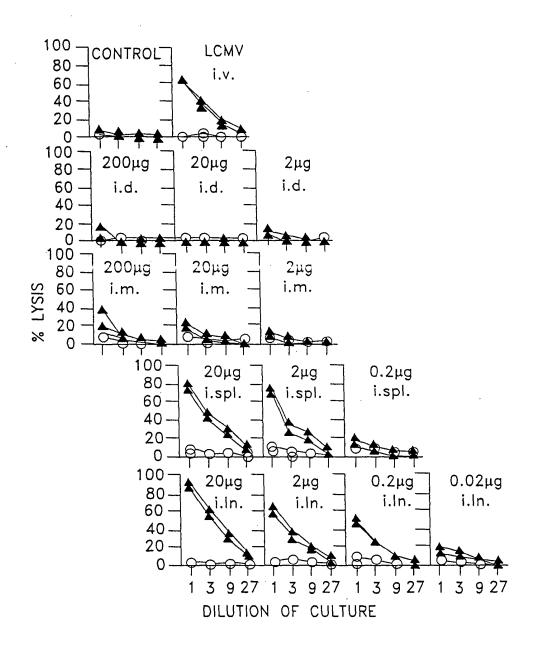
Comparison of Peptides Binding Affinity to HLA A2 by Binding Assay



Concentration of Peptides (ug/ml)

#### EPITOPE SEQUENCES Simard et al.

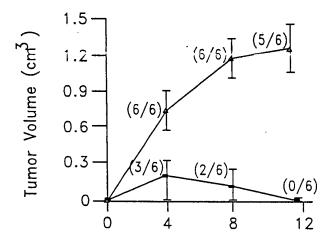
Appl. No.: Unknown Atty Docket: MANNK.032A



Graphs show lysis of unpulsed EL4 cells (open circles) and EL4 cells pulsed with gp33 peptide (solid triangles). Symbols represent individual mice and one of three similar experiments is shown.

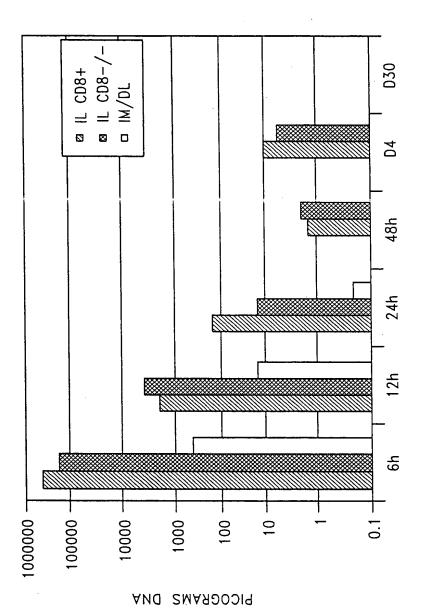
EPITOPE SEQUENCES
Simard et al.

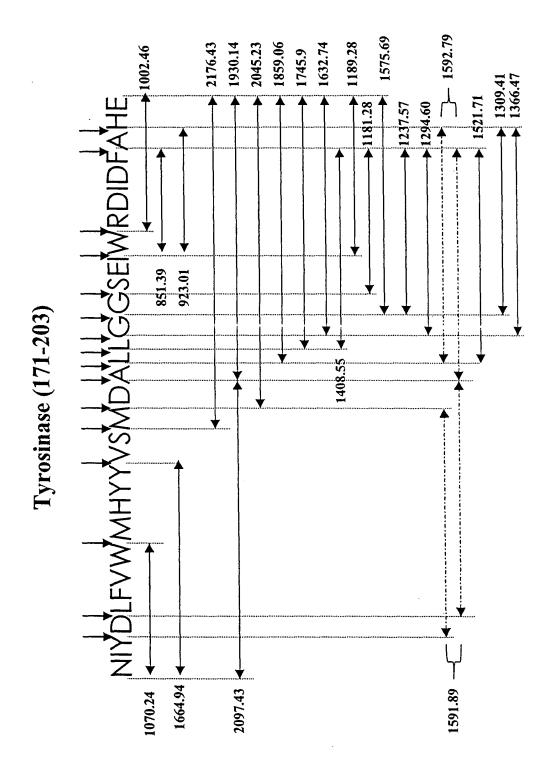
Appl. No.: Unknown Atty Docket: MANNK.032A

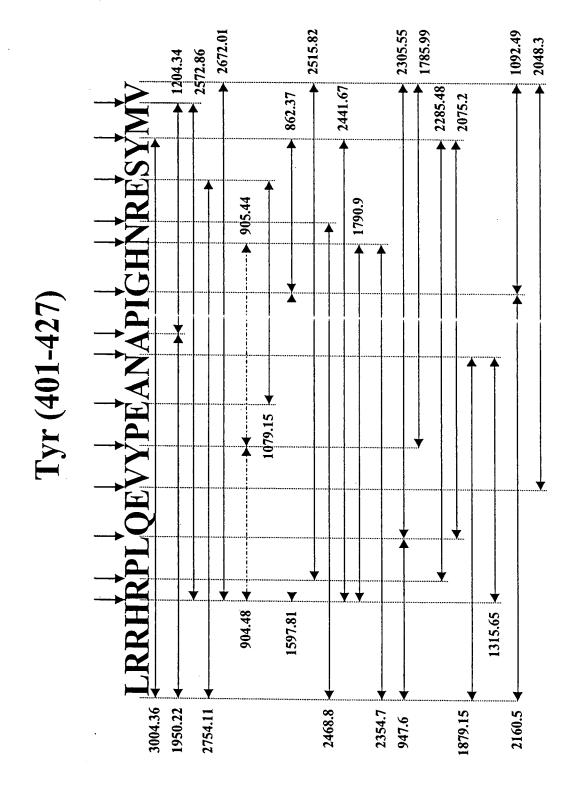


Days after tumor challenge

Mean tumor volumes  $\pm$  1SD are shown for mice immunized with pEFGPL33A DNA (solid circles) or control pEGFP-N3 DNA (open triangles). Numbers in brackets indicate number of mice with tumors/total number of mice in group. One of two similar experiments is shown.







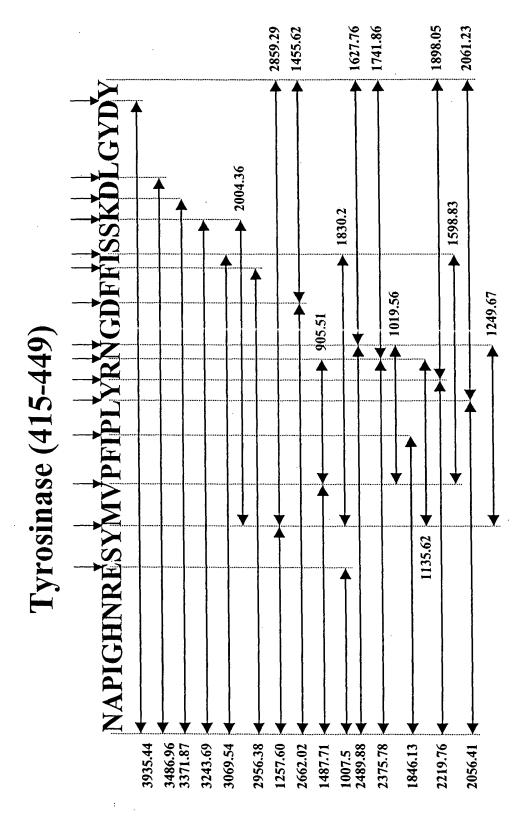
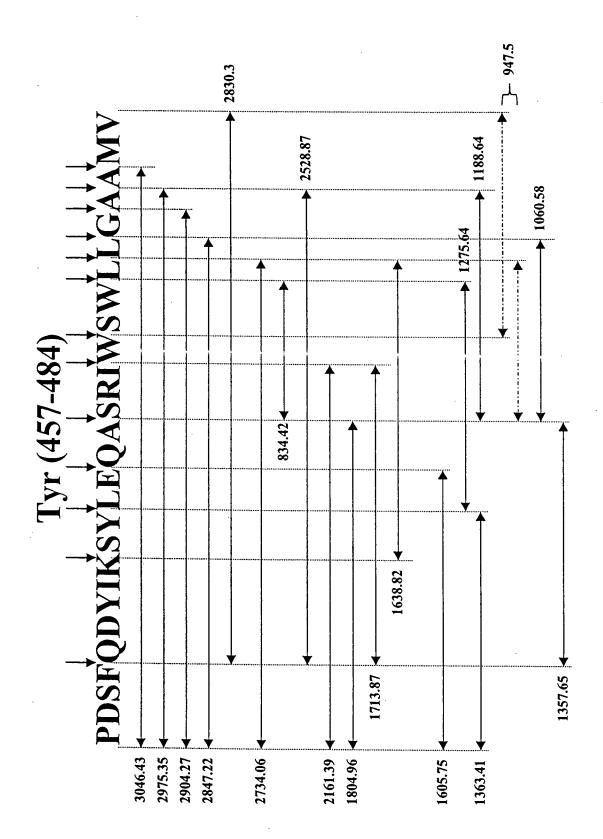


Figure 20



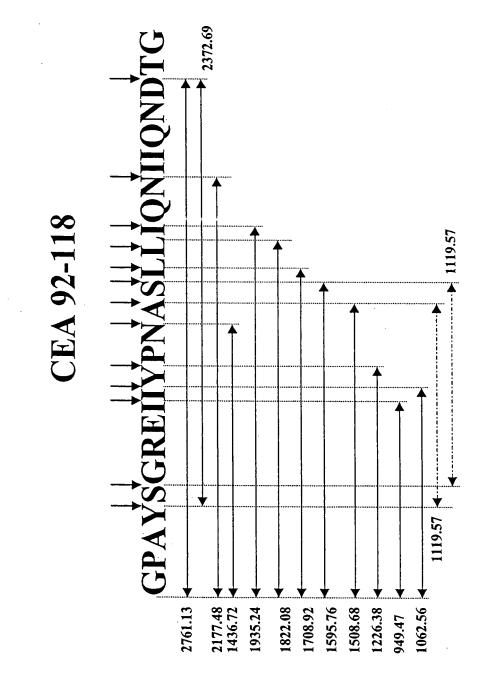
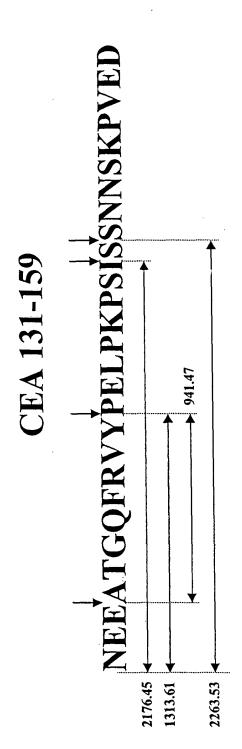
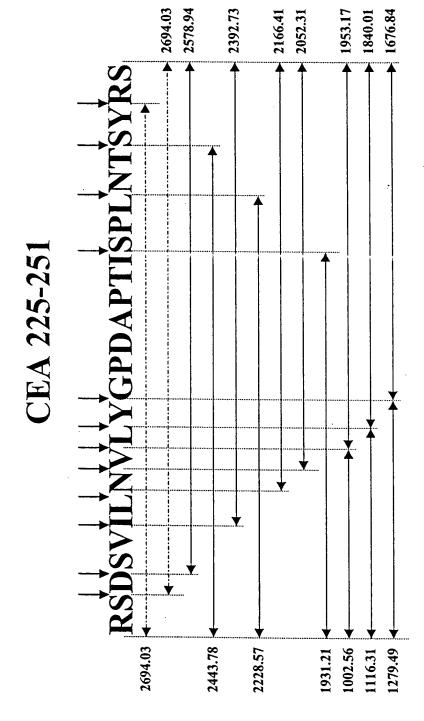
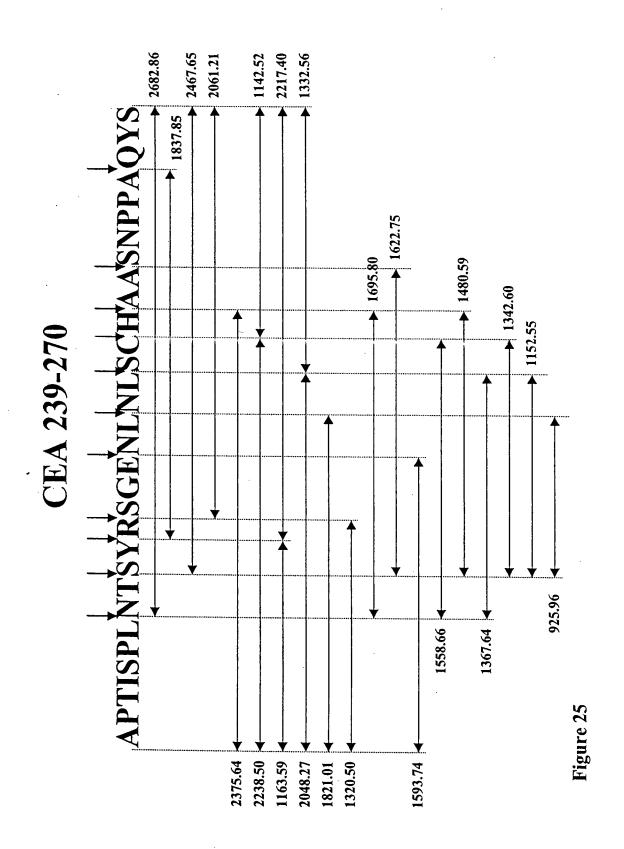
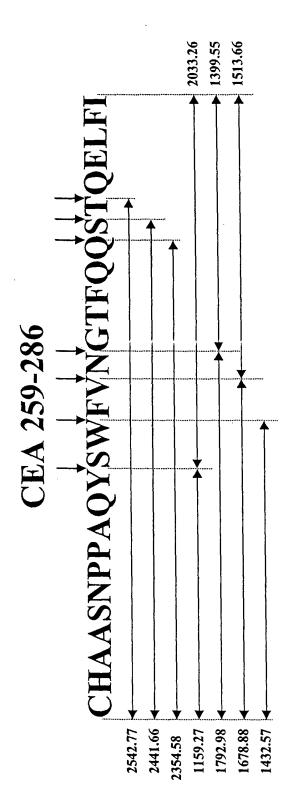


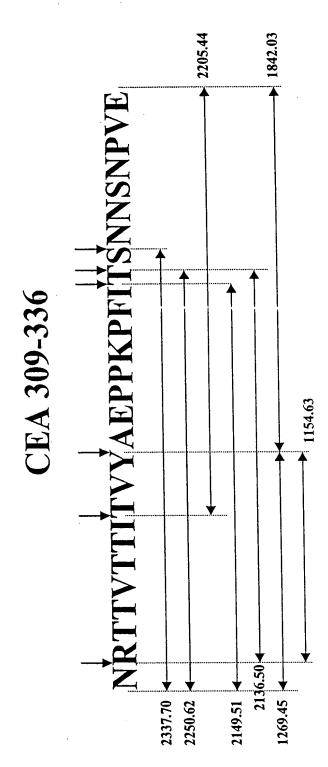
Figure 2

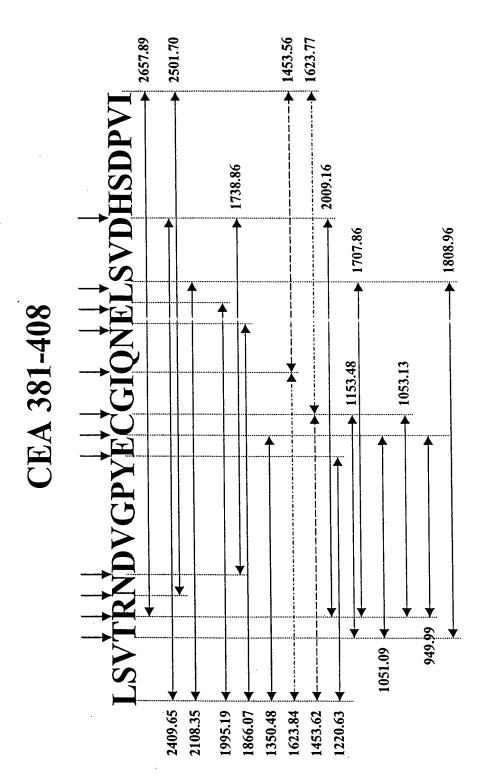


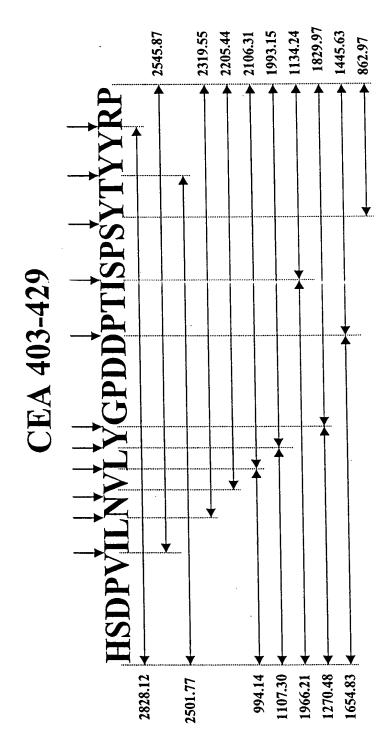












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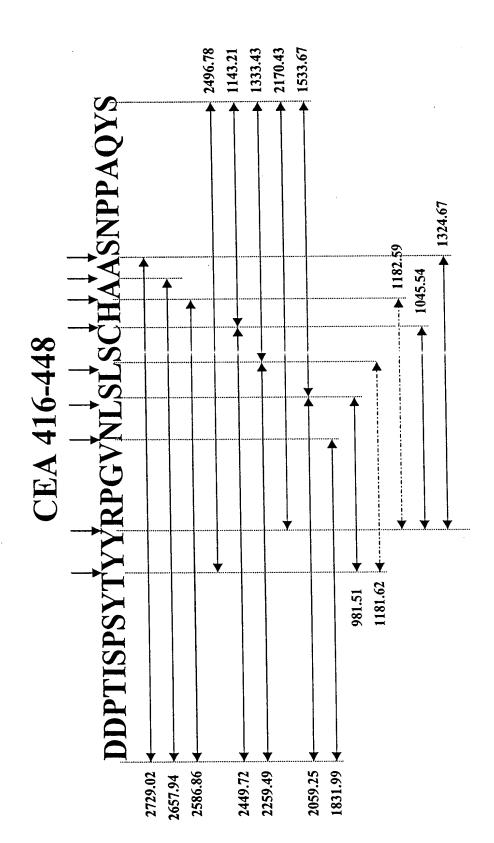
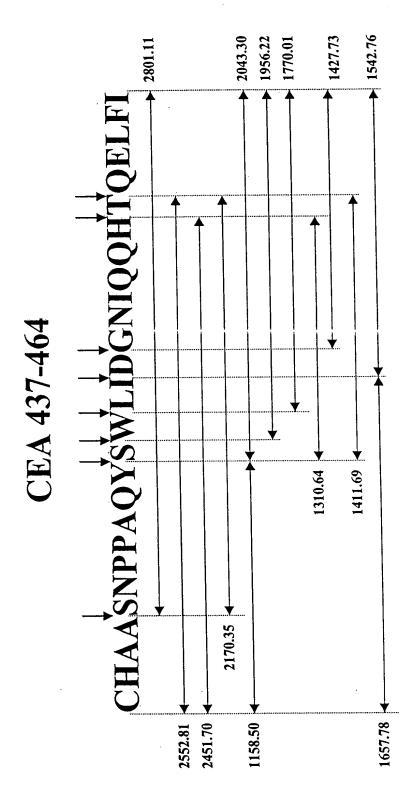
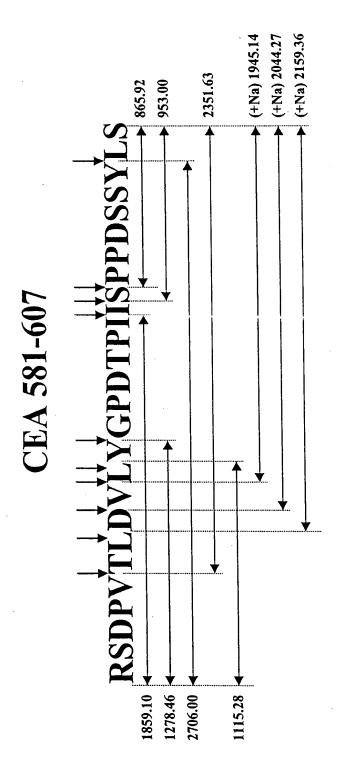
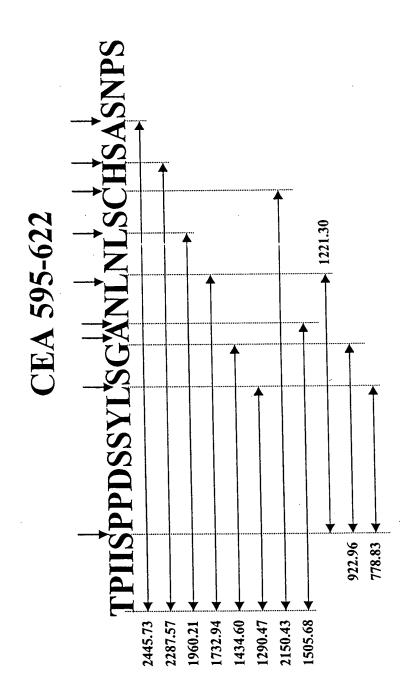
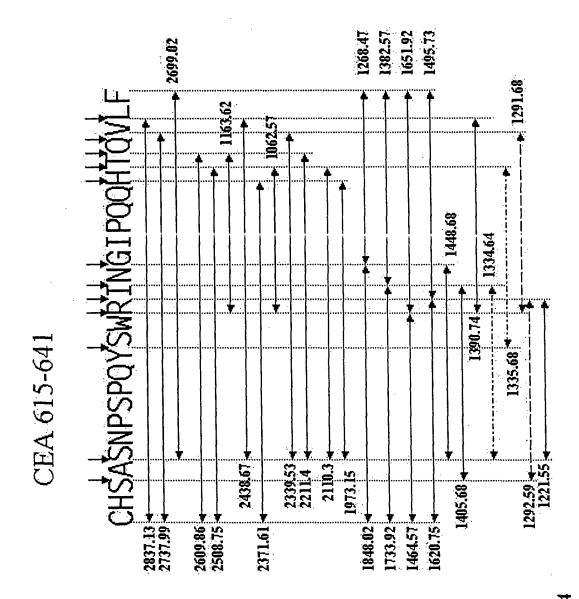


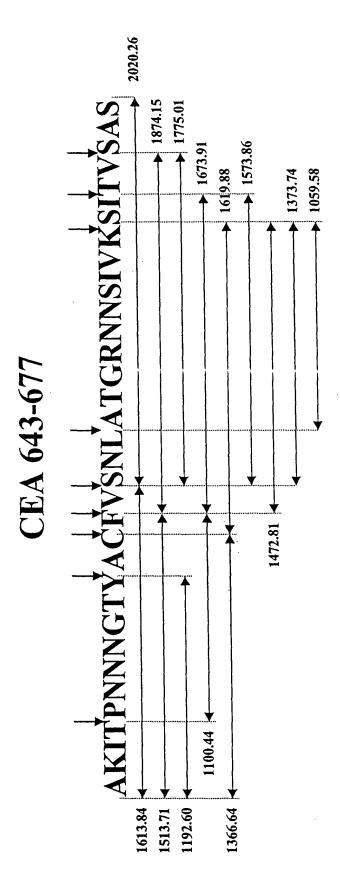
Figure 3(











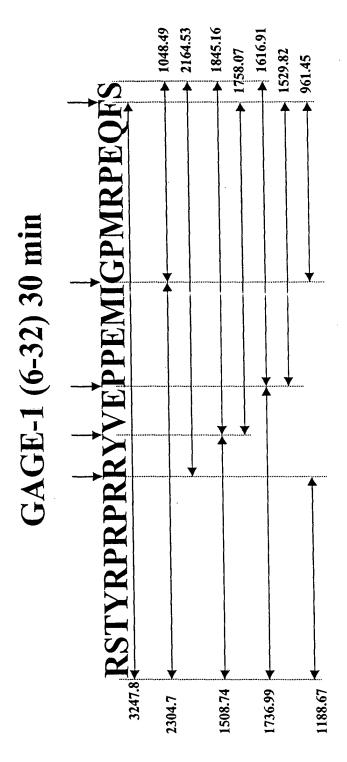
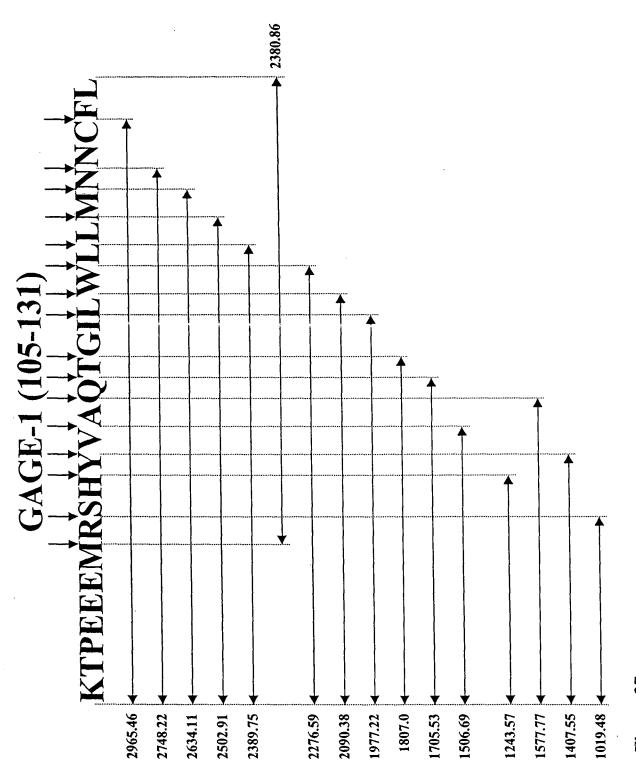
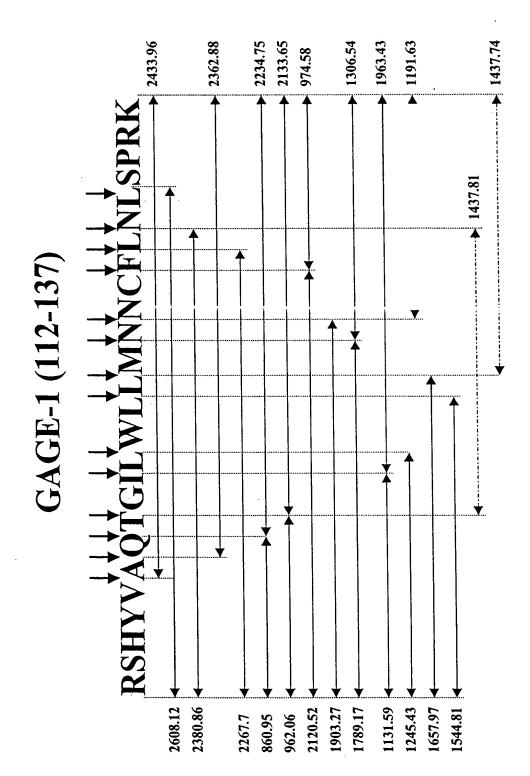
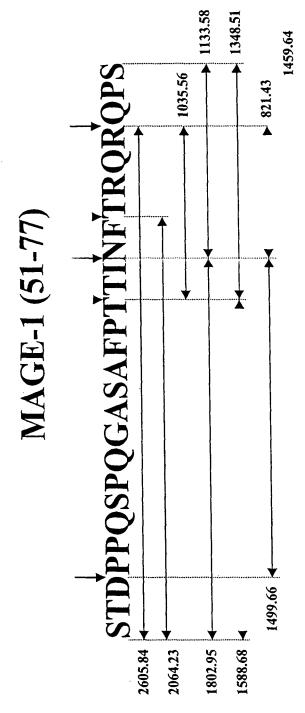


Figure 36







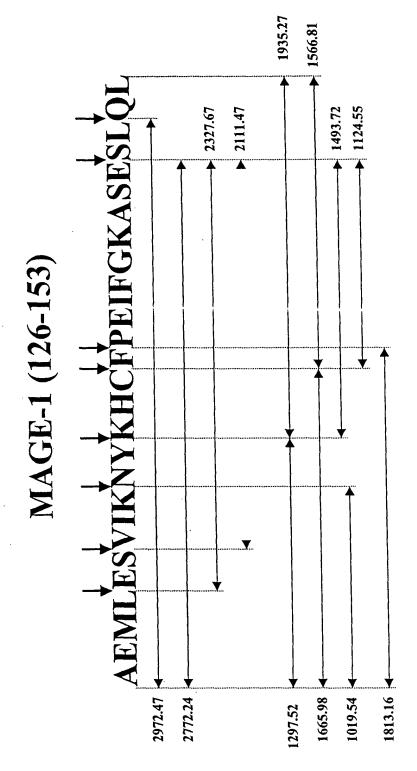
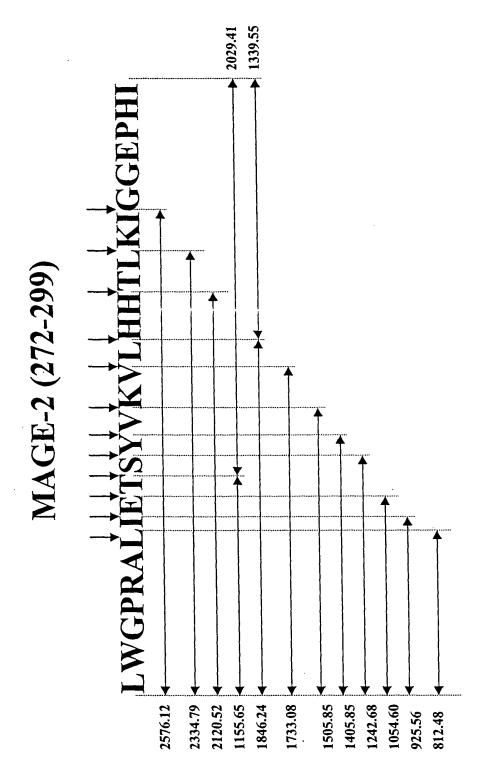
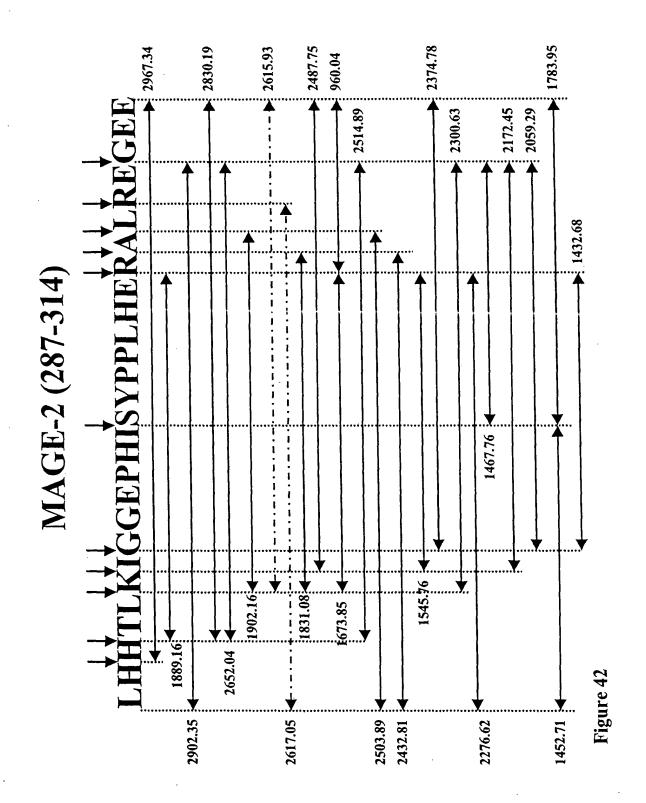
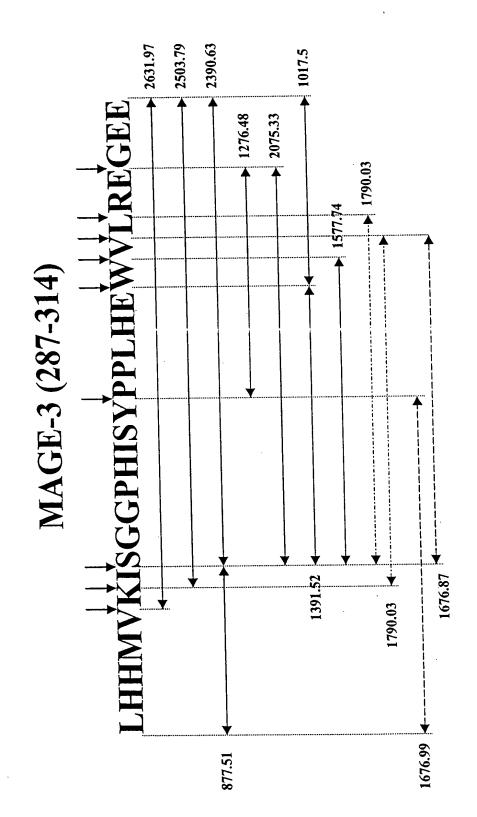


Figure 40







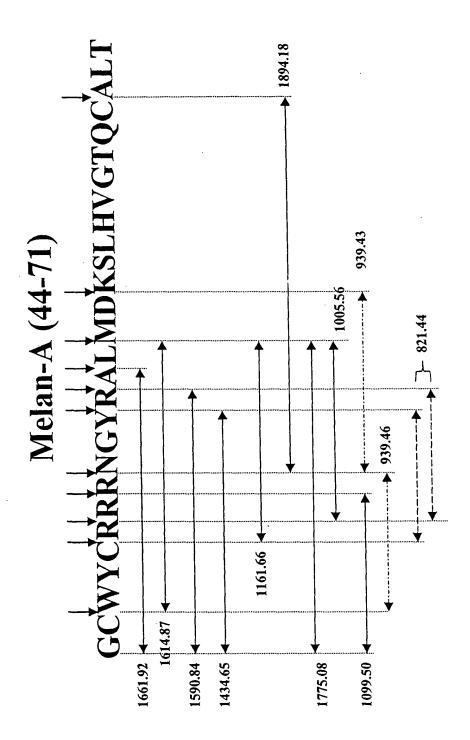


Figure 44

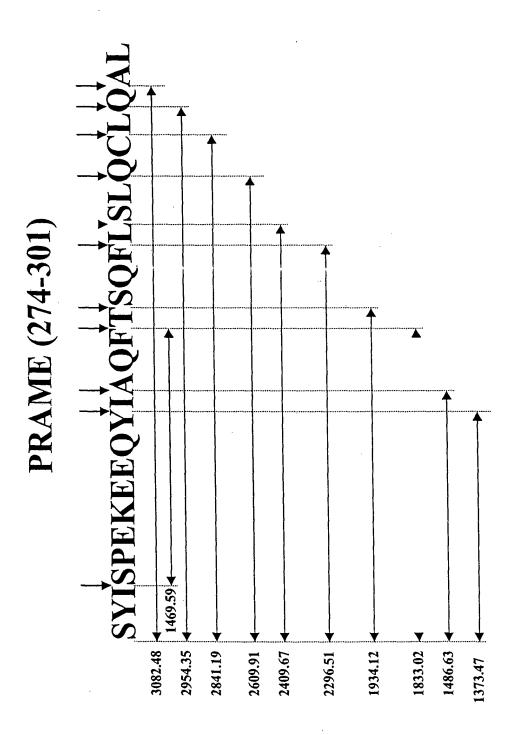
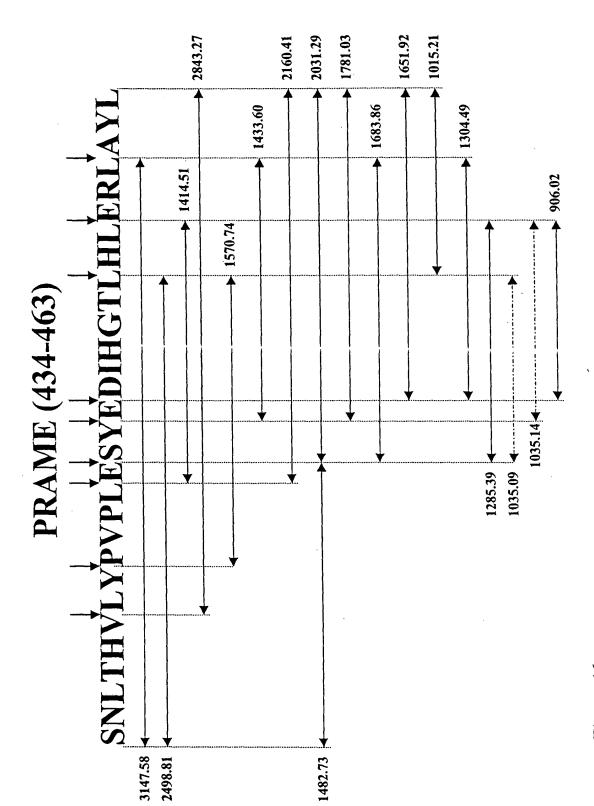


Figure 45

EPITOPE SEQUENCES Simard et al. known Atty Docket: MANNK.032A Appl. No.: Unknown



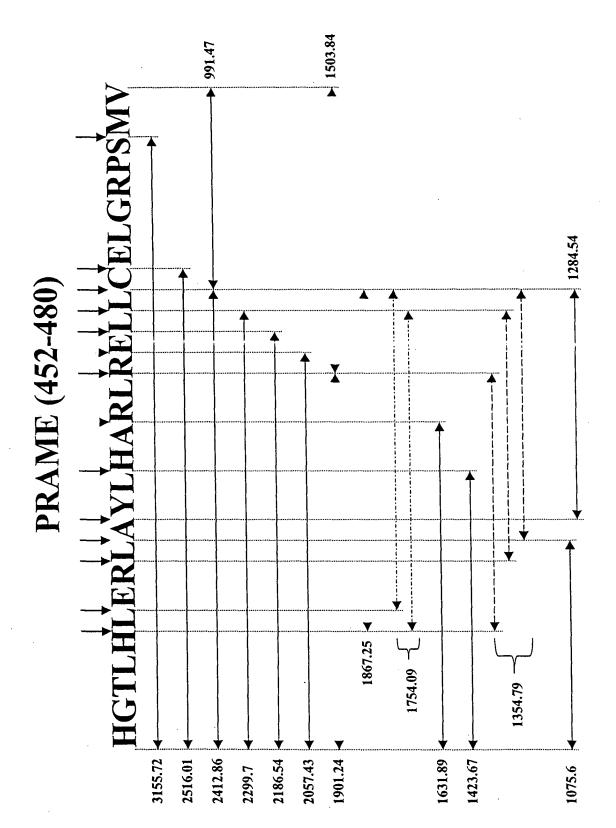
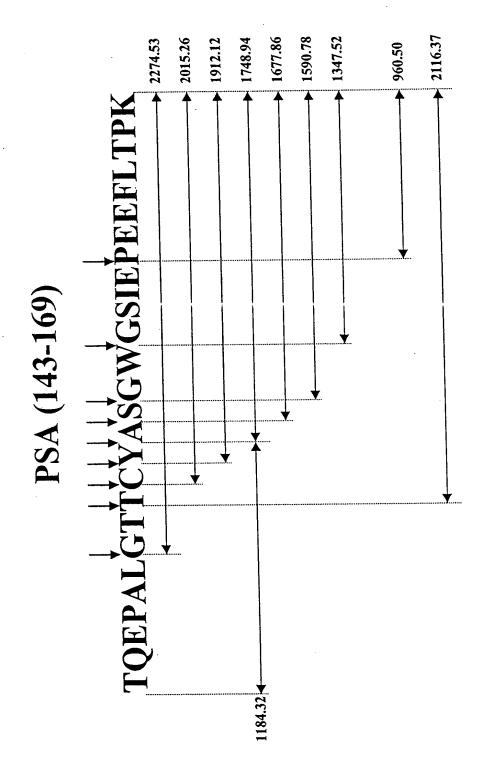


Figure 47



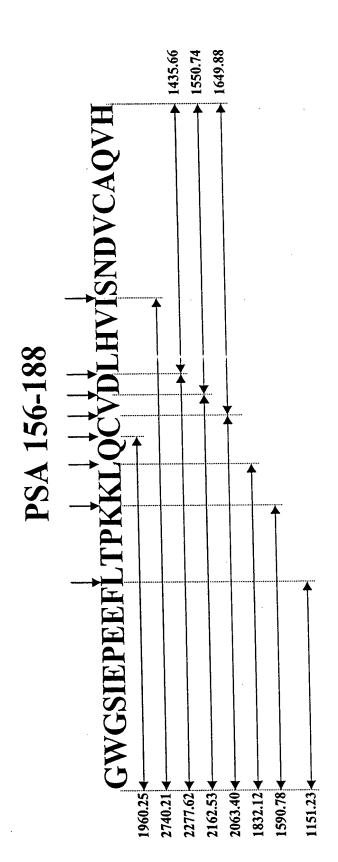
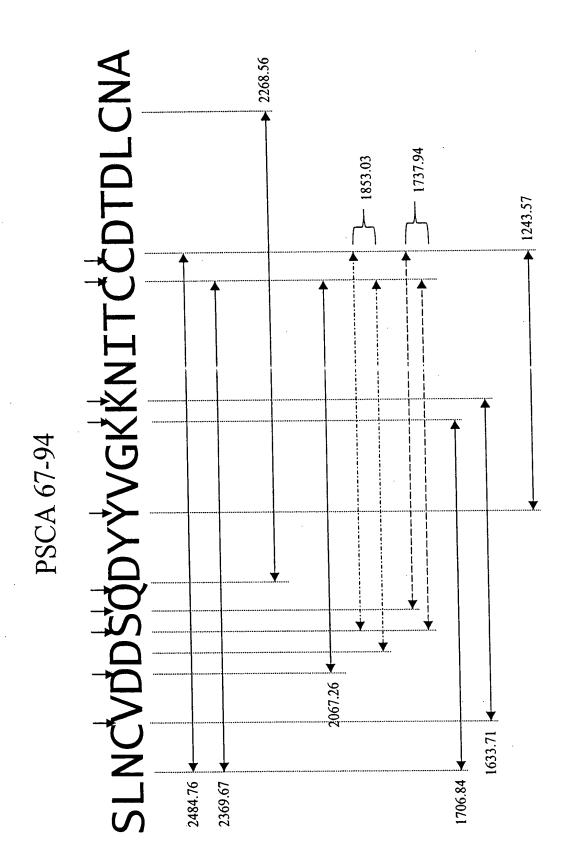


Figure 49



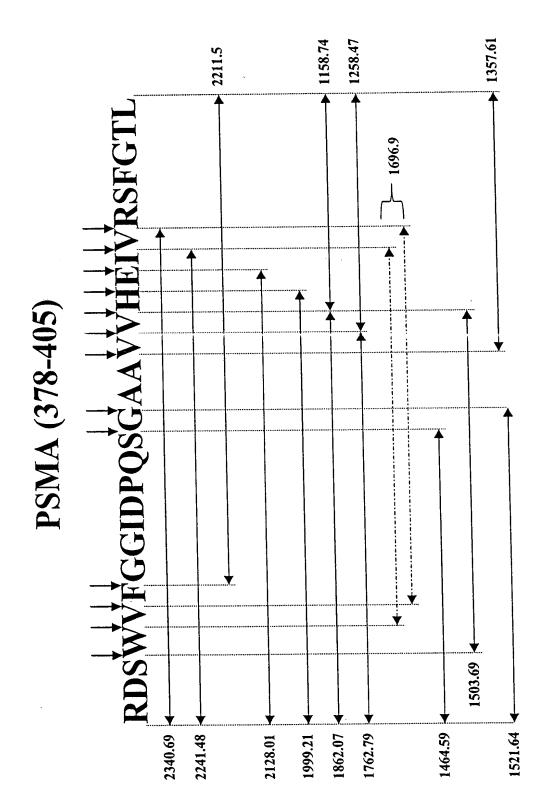


Figure 51

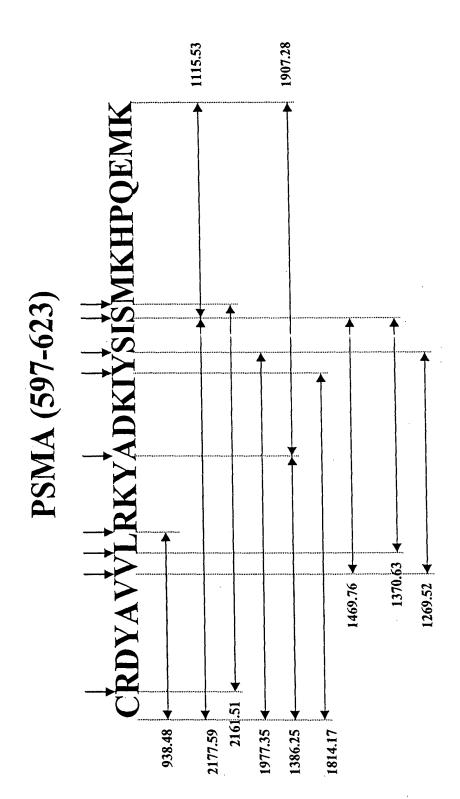
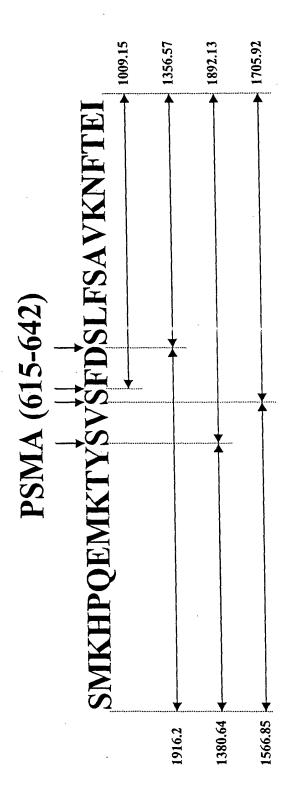


Figure 52



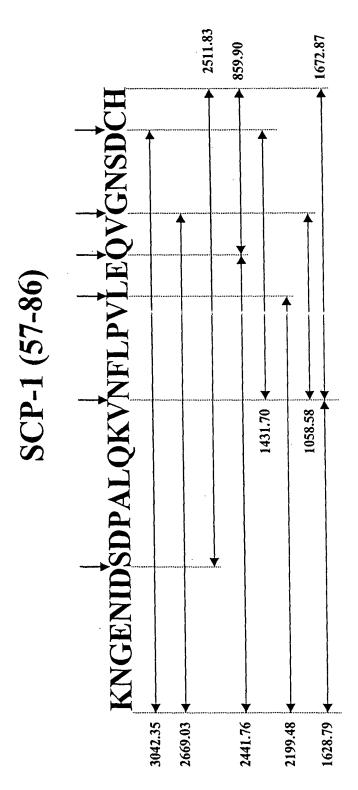


Figure 54

EPITOPE SEQUENCES
Simard et al.
nown Atty Docket: MANNK.032A Appl. No.: Unknown

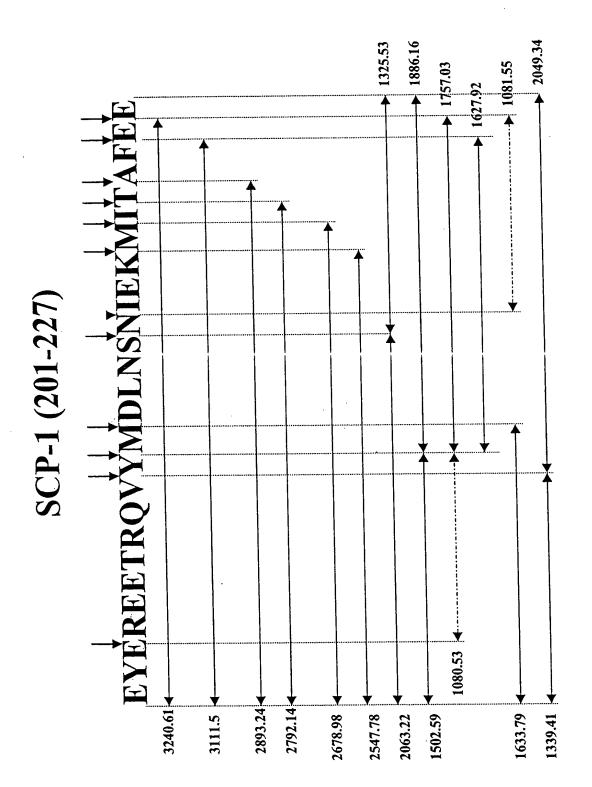


Figure 55

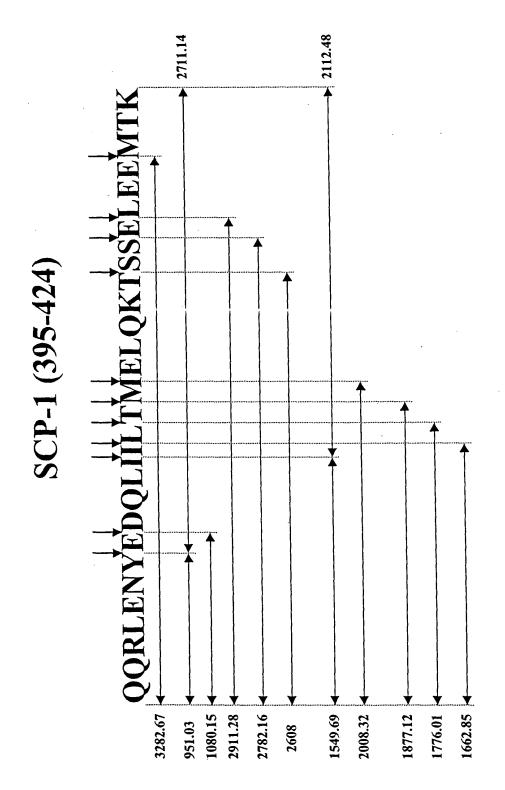
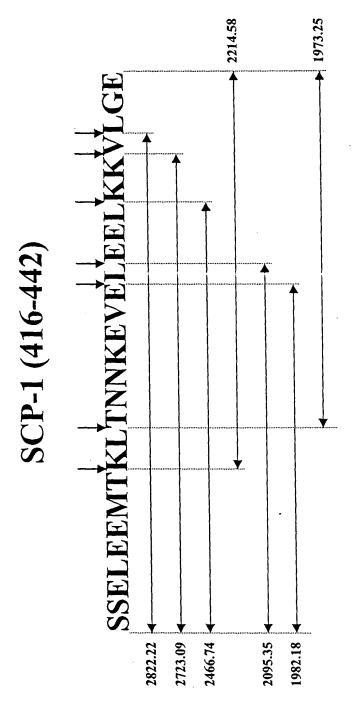
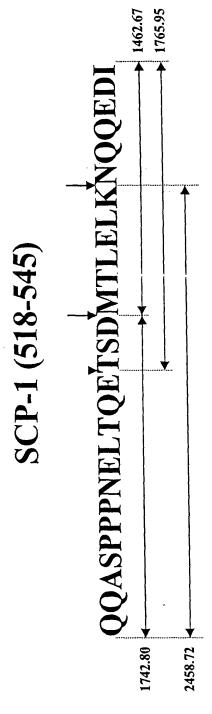


Figure 56





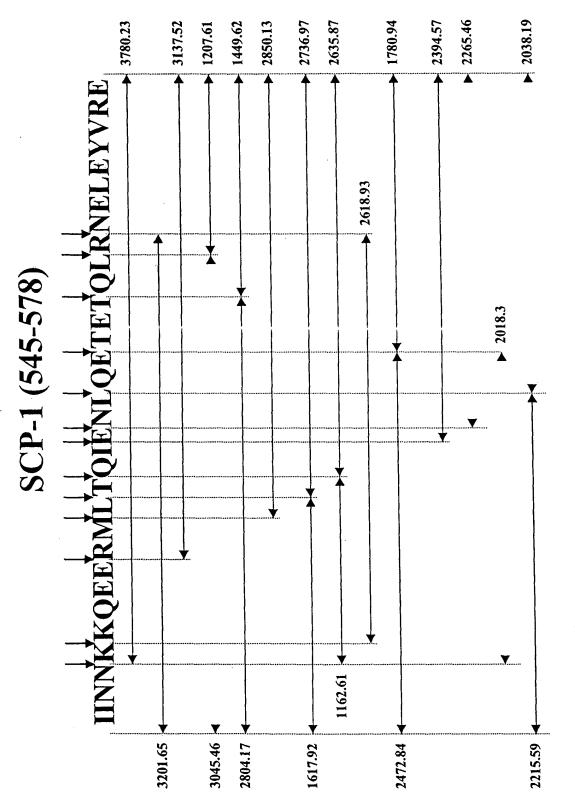
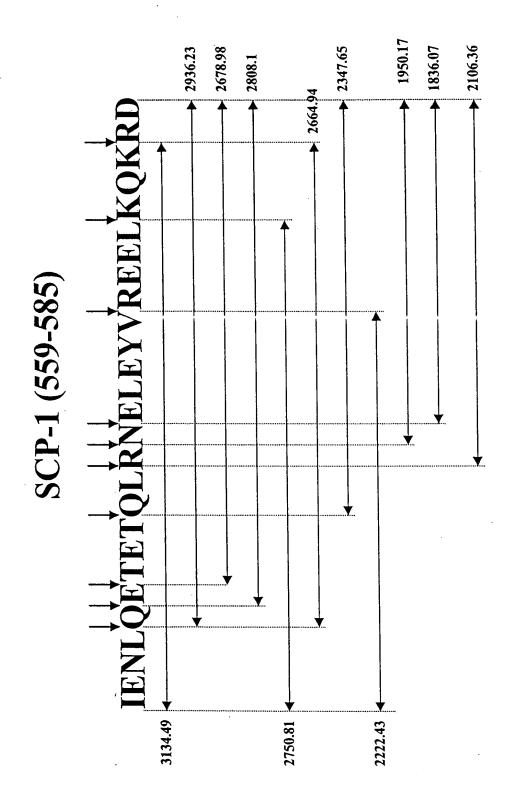
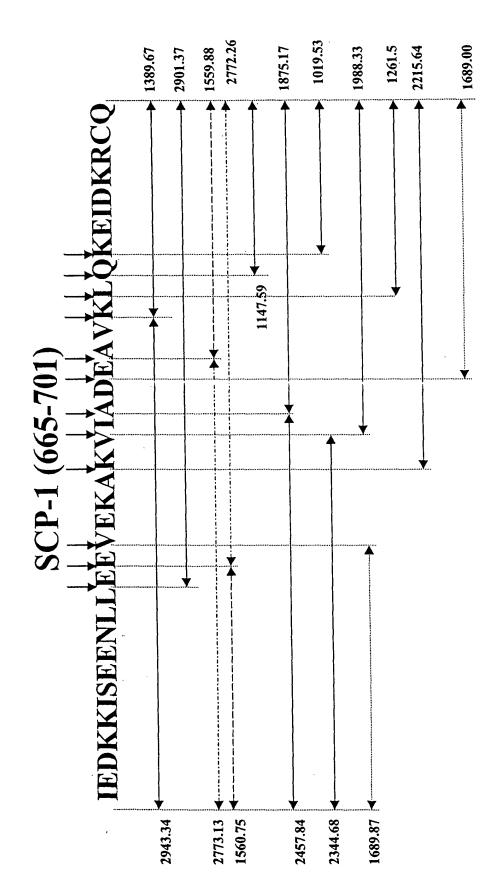


Figure 59





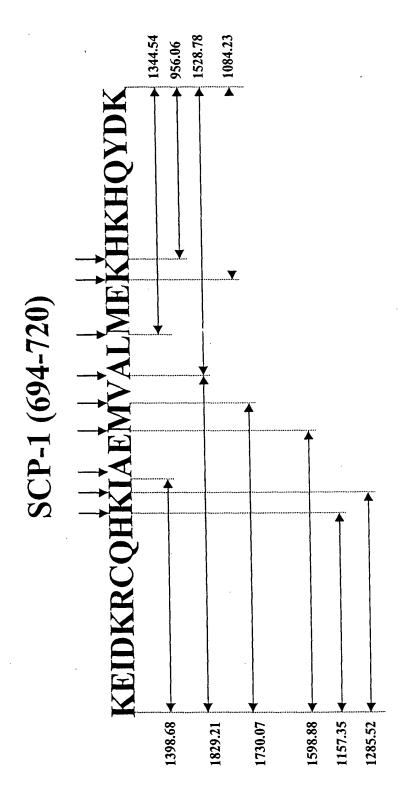
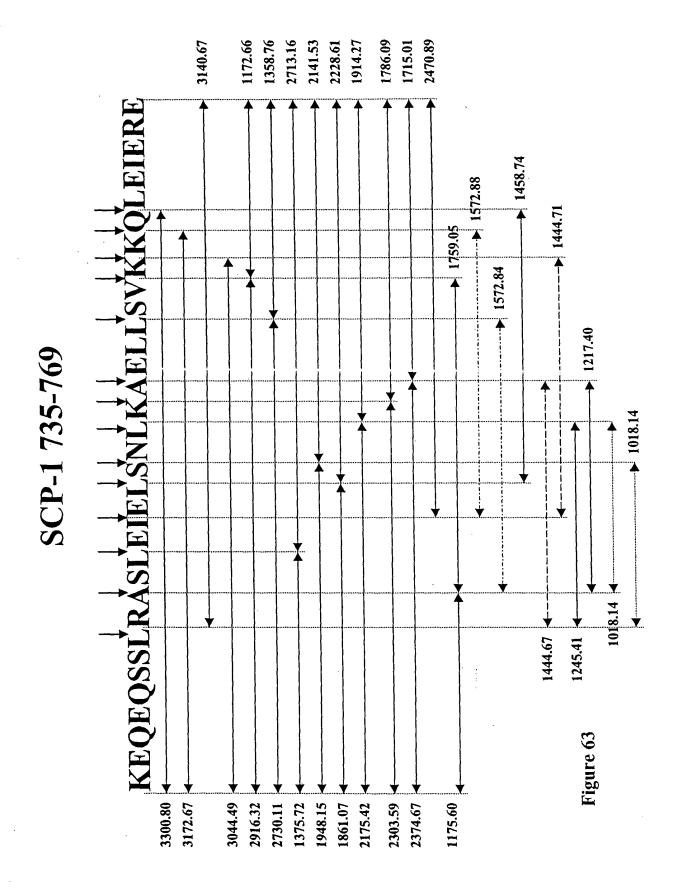
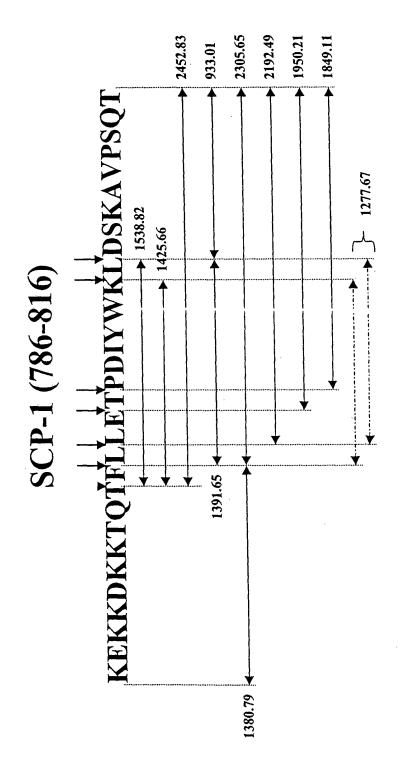


Figure 62

Atty Docket: MANNK.032A





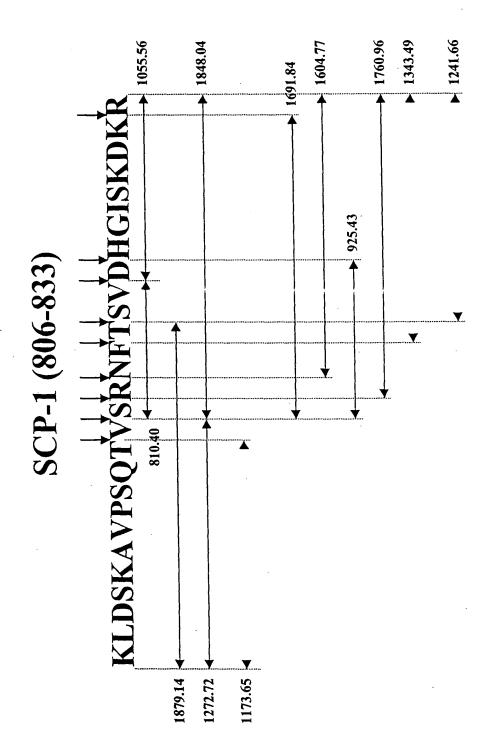


Figure 65

